

SEQUENCE LISTING

<110> He et al.
 <120> Interleukin-1 Beta Converting Enzyme Like Apoptosis Protease 3 and 4
 <130> PF140
 <140> US 08/334,251
 <141> 1994-11-01
 <160> 12
 <170> PatentIn version 3.0

<210> 1
 <211> 1369
 <212> DNA
 <213> Homo sapiens

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 gcggggacac gggtcgcttt gggctcttcc acccctgcgg agcgccactac cccgagccag 180
 gggcgggtgca agccccgccc ggccctaccc agggcgggctc ctccctccgc agcgccgaga 240
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tccccgtgtg ggtctccatg ctcaccaagg aactctactt cagtcaatag ccatatcagg 1260
 ggtacattct agctgagaag caatgggtca ctcattaatg aatcacattt ttttatgctc 1320
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<210> 2
 <211> 303
 <212> PRT
 <213> Homo sapiens

<400> 2

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 Pro Ser Leu Phe Ser Lys Lys Lys Lys Asn Val Thr Met Arg Ser Ile
 35 40 45
 Lys Thr Thr Arg Asp Arg Val Pro Thr Tyr Gln Tyr Asn Met Asn Phe
 50 55 60
 Glu Lys Leu Gly Lys Cys Ile Ile Ile Asn Asn Lys Asn Phe Asp Lys
 65 70 75 80
 Val Thr Gly Met Gly Val Arg Asn Gly Thr Asp Lys Asp Ala Glu Ala
 85* 90 95
 Leu Phe Lys Cys Phe Arg Ser Leu Gly Phe Asp Val Ile Val Tyr Asn
 100 105 110
 Asp Cys Ser Cys Ala Lys Met Gln Asp Leu Leu Lys Lys Ala Ser Glu
 115 120 125
 Glu Asp His Thr Asn Ala Ala Cys Phe Ala Cys Ile Leu Leu Ser His
 130 135 140
 Gly Glu Glu Asn Val Ile Tyr Gly Lys Asp Gly Val Thr Pro Ile Lys
 145 150 155 160
 Asp Leu Thr Ala His Phe Arg Gly Asp Arg Cys Lys Thr Leu Leu Glu
 165 170 175
 Lys Pro Lys Leu Phe Phe Ile Gln Ala Cys Arg Gly Thr Glu Leu Asp
 180 185 190
 Asp Ala Ile Gln Ala Asp Ser Gly Pro Ile Asn Asp Thr Asp Ala Asn
 195 200 205
 Pro Arg Tyr Lys Ile Pro Val Glu Ala Asp Phe Leu Phe Ala Tyr Ser
 210 215 220
 Thr Val Pro Gly Tyr Tyr Ser Trp Arg Ser Pro Gly Arg Gly Ser Trp
 225 230 235 240

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Phe Val Gln Ala Leu Cys Ser Ile Leu Glu Glu His Gly Lys Glu Leu
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Glu Ile Met Gln Ile Leu Thr Arg Val Asn Asp Arg Val Ala Arg His
260 265 270

Phe Glu Ser Gln Ser Asp Asp Pro His Phe His Glu Lys Lys Gln Ile
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Pro Cys Val Val Ser Met Leu Thr Lys Glu Leu Tyr Phe Ser Gln
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<210> 3

<211> 1159

<212> DNA

<213> Homo sapiens

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gaactggact gtggcattga gacagacagt ggtgttgatg atgacatggc gtgtcataaa 780
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tccatgctca caaaagaact ctatttttat cactaaagaa atggttggtt ggtgggtttt 1080
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gggacctact ctcatgctg 1159

<210> 4
 <211> 277
 <212> PRT
 <213> Homo sapiens

<400> 4

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 20 25 30
 Leu Asp Asn Ser Tyr Lys Met Asp Tyr Pro Glu Met Gly Leu Cys Ile
 35 40 45
 Ile Ile Asn Asn Lys Asn Phe His Lys Ser Thr Gly Met Thr Ser Arg
 50 55 60
 Ser Gly Thr Asp Val Asp Ala Ala Asn Leu Arg Glu Thr Phe Arg Asn
 65 70 75 80
 Leu Lys Tyr Glu Val Arg Asn Lys Asn Asp Leu Thr Arg Glu Glu Ile
 85 90 95
 Val Glu Leu Met Arg Asp Val Ser Lys Glu Asp His Ser Lys Arg Ser
 100 105 110
 Ser Phe Val Cys Val Leu Leu Ser His Gly Glu Glu Gly Ile Ile Phe
 115 120 125
 Gly Thr Asn Gly Pro Val Asp Leu Lys Lys Ile Thr Asn Phe Phe Arg
 130 135 140
 Gly Asp Arg Cys Arg Ser Leu Thr Gly Lys Pro Lys Leu Phe Ile Ile
 145 150 155 160
 Gln Ala Cys Arg Gly Thr Glu Leu Asp Cys Gly Ile Glu Thr Asp Ser
 165 170 175
 Gly Val Asp Asp Asp Met Ala Cys His Lys Ile Pro Val Glu Ala Asp
 180 185 190
 Phe Leu Tyr Ala Tyr Ser Thr Ala Pro Gly Tyr Tyr Ser Trp Arg Asn
 195 200 205
 Ser Lys Asp Gly Ser Trp Phe Ile Gln Ser Leu Cys Ala Met Leu Lys
 210 215 220
 Gln Tyr Ala Asp Lys Leu Glu Phe Met His Ile Leu Thr Arg Val Asn
 225 230 235 240
 Arg Lys Val Ala Thr Glu Phe Glu Ser Phe Ser Phe Asp Ala Thr Phe
 245 250 255
 His Ala Lys Lys Gln Ile Pro Cys Ile Val Ser Met Leu Thr Lys Glu
 260 265 270
 Leu Tyr Phe Tyr His
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<210> 5
<211> 31
<212> DNA
<213> Artificial Sequence

<220>
<223> Contains a Bam HI restriction enzyme site

<400> 5
gatcggatcc atgcgtgcgg ggacacgggt c 31

<210> 6
<211> 31
<212> DNA
<213> Artificial Sequence

<220>
<223> Contains complementary sequences to an Xba I site

<400> 6
gtactctaga tcattcaccc tggaggagga t 31

<210> 7
<211> 31
<212> DNA
<213> Artificial Sequence

<220>
<223> Contains a Bam HI restriction enzyme site

<400> 7
gatcggatcc atggagaaca ctgaaaactc a 31

<210> 8
<211> 31
<212> DNA
<213> Artificial Sequence

<220>
<223> Contains complementary sequences to an Xba I site

<400> 8
gtactctaga ttagtgataa aaatagagtt c 31

<210> 9
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Contains the ICE-LAP-3 translational initiation site ATG

<400> 9
gactatgcgt gcggggacac gg 22

<210> 10
<211> 53
<212> DNA
<213> Artificial Sequence

<220>
<223> Contains translation stop codon and an HA tag

<400> 10
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<210> 11
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> Contains the ICE-LAP-4 translational initiation site, ATG

<400> 11
accatggaga acactgaaaa c 21

<210> 12
<211> 53
<212> DNA
<213> Artificial Sequence

<220>
<223> Contains translation stop codon and an HA tag

<400> 12
aatcaagcgt agtctgggac gtcgtatggg tagtgataaa aatagagttc ttt 53

Arr

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